



Form PTO-1449  MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 41577/26614	SERIAL NO.: 10/018,727
		APPLICANT: C. Willis, et al.	
		FILING DATE: December 17, 2001	GROUP: Unknown / 762

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
Hoff	91037144	7/27/66	United Kingdom				
Hoff	2581991	11/21/86	France (Delfortier)				X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Muff English-language translation of European Patent Document No. 0218722, published
4-1987; and equivalent to FR 2581991 to Delfort et al.

EXAMINER: Mark E. Johnson DATE CONSIDERED: 12/1/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08A (08-00)

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INFORMATION
STATEMENT BY

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/018,727
(use as many sheets as necessary)		Filing Date	December 5, 2001
		First Named Inventor	Willis, et al.
		Group Art Unit	1762
		Examiner Name	M.L. Paolelli
		Attorney Docket Number	41577/266144
Sheet	1	of	2

A circular library stamp with a vertical border containing the word "RECEIVE" in large, bold, black letters. Inside the circle, there is a date stamp: "NOV 6 2002". Below the date, the number "1700" is stamped.

U.S. PATENT DOCUMENTS

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
MLP	ZHANG, J. et al., "Surface Graft Polymerization of Glycidyl Methacrylate onto Polyethylene and the Adhesion with Epoxy Resin." <i>J. Polym. Sci., Part A: Polym. Chem.</i> , 1995, 33, 2629-2638 NOV. 17			
MLP	ALLMER, K. et al., "Surface Modification of Polymers. II. Grafting with Glycidyl Acrylates and the Reactions of the Grafted Surfaces with Amines," <i>J. Polym. Sci., Part A: Polym. Chem.</i> , 1989, 27, 1641-1652 <i>apply</i>			
MLP	KUBOTA, H. et al., "Reactivity of Glycidyl-Methacrylate-Grafted Cellulose Prepared by Means of Photografting." <i>J. Appl. Polym. Sci.</i> , 1995, 56 25-31 <i>no much</i>			
MLP	ZHANG, M.C. et al., "Thermal graft copolymerization with concurrent lamination of low density polyethylene and poly(tetrafluoroethylene) films." <i>Polymer</i> , 1999, 40, 299-305 <i>level 40, number 2</i> <i>no much</i>			
MLP	WANG, T. et al., "Surface structures and adhesion enhancement of poly(tetrafluoroethylene) films after modification by graft copolymerization with glycidyl methacrylate." <i>J. Adhes. Sci. Tech.</i> , 1997, 11, 679-693 <i>no much</i>			
Examiner Signature	<i>Marley L. P. 11/17/02</i>		Date _____ Considered _____ <i>12/2/02</i>	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/018,727
Filing Date	December 5, 2001
First Named Inventor	WILLIS, et al.
Group Art Unit	1762
Examiner Name	ML Padgett
Attorney Docket Number	41577/266144

<i>MJP</i>	ALLCOCK, H.R. et al., "Photoinitiated Graft Poly(organophosphazenes): Functionalized Immobilization Substrates for the Binding of Amines, Proteins, and Metals," <i>Chem. Mater.</i> , 1994, 6, 518-514 <i>April 1996, No. 4, page</i>	
<i>MJP</i>	BAI, G. et al., "Surface modification of polyethylene film by liquid phase photograft polymerization," <i>Polym. Bull.</i> , 1998, 36, 503-510 <i>April</i>	
<i>MJP</i>	WU, S. et al., "Surface Modification of Poly(tetrafluoroethylene) Films by Graft Copolymerization for Adhesion Improvement with Evaporated Copper," <i>Macromolecules</i> , 1999, 32, 186-193 <i>Jan 12, Vol 32, No. 1, page</i>	
<i>MJP</i>	LEE, W. et al., "Tailoring a Brush-Type Interface Favorable for Capturing Microbial Cells," <i>J. Colloid Interface Sci.</i> , 1998, 200, 66-73 <i>April</i>	
<i>MJP</i>	MORI, M. et al., "Surface Modification of Polyethylene Fiber by Graft Polymerization," <i>J. Polym. Sci., Part A: Polym. Chem.</i> , 1994, 32, 1683-1690 <i>No month, page</i>	
<i>MJP</i>	YAMADA, K. et al., "Plasma-Graft Polymerization of Vinyl Monomers with Reactive Groups onto a Surface of Poly(<i>p</i> -phenylene terephthalamide) Fiber," <i>J. Appl. Polym. Sci.</i> , 1996, 60, 1847-1853 <i>June</i>	
<i>MJP</i>	TSUKRUK, V. et al., "Sticky Molecular Surfaces: Epoxysilane Self-Assembled Monolayers," <i>Langmuir</i> , 1999, 15, No. 8, 3029-3032 <i>April 13, page</i>	
<i>MJP</i>	YASUDA, H., "Plasma Polymerization and Plasma Treatment", <i>Journal of Applied Polymer Science: Applied Polymer Symposium 38 and Interscience Publication</i> , (7 pages) (1984) <i>cover page, chapter B + preface only</i>	
<i>MJP</i>	HAN, L.M. et al., "Ring Retention via Pulsed Plasma Polymerization of Heterocyclic Aromatic Compounds," <i>Chem. Mater.</i> , 1998, 10, 1422-1429 <i>no month given, but in after March</i>	
<i>MJP</i>	HAN, L.M. et al., "Pulsed-Plasma Polymerization of 1-Vinyl-2-Pyrrolidone: Synthesis of a Linear Polymer," <i>J. Polym. Sci., Part A: Polym. Chem.</i> , 1998, 36, 3121-3129 <i>no month, but May or after</i>	
<i>MJP</i>	SAVAGE, C.R. et al., "Molecular Control of Surface Film Compositions via Pulsed Radio-Frequency Plasma Deposition of Perfluoropropylene Oxide," <i>Chem. Mater.</i> , 1991, 3, 575-577 <i>no month, but November</i>	
<i>MJP</i>	MORRA, M. et al., "Surface Characterization of Plasma-treated PTFE," <i>Surf. Interf. Anal.</i> , 1990, 16, 412-417 <i>no month, page</i>	
<i>MJP</i>	RYAN, et al., "Surface Texturing of PTFE Film Using Non-equilibrium Plasmas," <i>Macromolecules</i> , 1995, 28, 1377-1382 <i>Feb, page</i>	
<i>MJP</i>	Rosowsky, et al., "Heterocyclic Compounds with Three- and Four-Membered Rings," Part One Interscience Publishers, New York-London-Sydney, Preface and Table of Contents (9 pages) (1964) <i>no month</i>	

Examiner Signature	<i>MJP Padgett</i>	Date Considered	12/2/04
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